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* * * * * Welcome to STN International * * * * *

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NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/
USPAT2
NEWS 4 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB
NEWS 5 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to
INPADOC
NEWS 6 JAN 17 Pre-1988 INPI data added to MARPAT
NEWS 7 JAN 17 IPC 8 in the WPI family of databases including WPIFV
NEWS 8 JAN 30 Saved answer limit increased
NEWS 9 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
visualization results
NEWS 10 FEB 22 The IPC thesaurus added to additional patent databases on STN
NEWS 11 FEB 22 Updates in EPFULL; IPC 8 enhancements added
NEWS 12 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 13 FEB 28 MEDLINE/LMEDLINE reload improves functionality
NEWS 14 FEB 28 TOXCENTER reloaded with enhancements
NEWS 15 FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral
property data
NEWS 16 MAR 01 INSPEC reloaded and enhanced
NEWS 17 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
NEWS 18 MAR 08 X.25 communication option no longer available after June 2006
NEWS 19 MAR 22 EMBASE is now updated on a daily basis
NEWS 20 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
NEWS 21 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC
thesaurus added in PCTFULL
NEWS 22 APR 04 STN AnaVist \$500 visualization usage credit offered
NEWS 23 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
NEWS 24 APR 12 Improved structure highlighting in FQHIT and QHIT display
in MARPAT
NEWS 25 APR 12 Derwent World Patents Index to be reloaded and enhanced during
second quarter; strategies may be affected

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
<http://download.cas.org/express/v8.0-Discover/>

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:10:08 ON 20 APR 2006

=> file medline, agricola, caba, caplus, biosis, biotechno		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 12:10:44 ON 20 APR 2006

FILE 'AGRICOLA' ENTERED AT 12:10:44 ON 20 APR 2006

FILE 'CABA' ENTERED AT 12:10:44 ON 20 APR 2006
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FILE 'BIOTECHNO' ENTERED AT 12:10:44 ON 20 APR 2006
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=> s (babiychuk, e? or babiychuk e?)/au
L1 208 (BABIYCHUK, E? OR BABIYCHUK E?)/AU

=> s (kushnir, s? or kushnir s?)/au
L2 389 (KUSHNIR, S? OR KUSHNIR S?)/AU

=> s (block, n? or block n?)/au
L3 439 (BLOCK, N? OR BLOCK N?)/AU

=> s l1 and l2 and l3
L4 0 L1 AND L2 AND L3

=> s l1 or l2 or l3
L5 912 L1 OR L2 OR L3

=> s parp or adprt or (poly(w)adp(w)ribose(w)polymerase) or (poly(w)adp(w)ribose(w)transferase)
L6 20207 PARP OR ADPRT OR (POLY(W) ADP(W) RIBOSE(W) POLYMERASE) OR (POLY(W) ADP(W) RIBOSE(W) TRANSFERASE)

=> s (block, m? or block m?)/au
L7 2413 (BLOCK, M? OR BLOCK M?)/AU

=> s l1 and l2 and l7
L8 0 L1 AND L2 AND L7

=> s l1 or l2 or l7
L9 2886 L1 OR L2 OR L7

=> s l6 and l9
L10 30 L6 AND L9

=> duplicate remove l10
DUPLICATE PREFERENCE IS 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L10
L11 9 DUPLICATE REMOVE L10 (21 DUPLICATES REMOVED)

=> d l11 1-9 ti

L11 ANSWER 1 OF 9 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2006) on STN DUPLICATE 1
TI Poly(ADP-ribose) polymerase in
plants affects energy homeostasis, cell death and stress tolerance.

L11 ANSWER 2 OF 9 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
 TI Methods and means to modulate programmed cell death in eukaryotic cells.

L11 ANSWER 3 OF 9 MEDLINE on STN DUPLICATE 2
 TI Arabidopsis coactivator ALY-like proteins, DIP1 and DIP2, interact physically with the DNA-binding domain of the Zn-finger poly(ADP-ribose) polymerase.

L11 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 3
 TI N-terminal domains of plant poly(ADP-ribose) polymerases define their association with mitotic chromosomes

L11 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Modulation of programmed cell death in eukaryotic cells with poly(ADP-ribose) polymerase-encoding nucleic acids

L11 ANSWER 6 OF 9 MEDLINE on STN DUPLICATE 4
 TI Higher plants possess two structurally different poly(ADP-ribose) polymerases.

L11 ANSWER 7 OF 9 MEDLINE on STN DUPLICATE 5
 TI The involvement of poly(ADP-ribose) polymerase in the oxidative stress responses in plants.

L11 ANSWER 8 OF 9 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN DUPLICATE 6
 TI The development of a nuclear male sterility system in wheat. Expression of the barnase gene under the control of tapetum specific promoters.

L11 ANSWER 9 OF 9 MEDLINE on STN DUPLICATE 7
 TI Characterization of an Arabidopsis thaliana cDNA homologue to animal poly(ADP-ribose) polymerase.

=> d l11 1-9 bib

L11 ANSWER 1 OF 9 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN DUPLICATE 1
 AN 2005:33071 AGRICOLA
 DN IND43693484
 TI Poly(ADP-ribose) polymerase in plants affects energy homeostasis, cell death and stress tolerance.
 AU Block, M. de; Verduyn, C.; Brouwer, D. de; Cornelissen, M.
 AV DNAL (QK710.P68)
 SO Plant journal, 2005 Jan. Vol. 41, no. 1 p. 95-106
 ISSN: 0960-7412
 NTE Includes references
 DT Article
 FS Non-US
 LA English

L11 ANSWER 2 OF 9 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
 AN 2004:165149 BIOSIS
 DN PREV200400168906
 TI Methods and means to modulate programmed cell death in eukaryotic cells.
 AU Babiychuk, Elena [Inventor, Reprint Author]; Kushnir, Sergei [Inventor]; De Block, Marc [Inventor]
 CS Gent, Belgium
 ASSIGNEE: Bayer Bioscience N.V., Belgium
 PI US 6693185 20040217
 SO Official Gazette of the United States Patent and Trademark Office Patents, (Feb 17 2004) Vol. 1279, No. 3. <http://www.uspto.gov/web/menu/patdata.html>
 . e-file.
 ISSN: 0098-1133 (ISSN print).

DT Patent
LA English
ED Entered STN: 24 Mar 2004
Last Updated on STN: 24 Mar 2004

L11 ANSWER 3 OF 9 MEDLINE on STN DUPLICATE 2
AN 2001376828 MEDLINE
DN PubMed ID: 11432957
TI Arabidopsis coactivator ALY-like proteins, DIP1 and DIP2, interact physically with the DNA-binding domain of the Zn-finger poly(ADP-ribose) polymerase.
AU Storozhenko S; Inze D; Van Montagu M; Kushnir S
CS Vakgroep Moleculaire Genetica, Departement Plantengenetica, Vlaams Interuniversitair Instituut voor Biotechnologie, Universiteit Gent, KL Ledeganckstraat 35, B-9000 Gent, Belgium.
SO Journal of experimental botany, (2001 Jun) Vol. 52, No. 359, pp. 1375-80. Journal code: 9882906. ISSN: 0022-0957.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AJ278492; GENBANK-AJ278493
EM 200110
ED Entered STN: 20011008
Last Updated on STN: 20011008
Entered Medline: 20011004

L11 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 3
AN 2001:926076 CAPLUS
DN 137:89186
TI N-terminal domains of plant poly(ADP-ribose) polymerases define their association with mitotic chromosomes
AU Babiychuk, Elena; Van Montagu, Marc; Kushnir, Sergei
CS Vakgroep Moleculaire Genetica, Departement Plantengenetica, Vlaams Interuniversitair Instituut voor Biotechnologie, Universiteit Gent, Ghent, B-9000, Belg.
SO Plant Journal (2001), 28(3), 245-255
CODEN: PLJUED; ISSN: 0960-7412
PB Blackwell Science Ltd.
DT Journal
LA English
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2000:68582 CAPLUS
DN 132:118324
TI Modulation of programmed cell death in eukaryotic cells with poly(ADP ribose) polymerase-encoding nucleic acids
IN Babiychuk, Elena; Kushnir, Sergei; De Block, Marc
PA Plant Genetic Systems N.V., Belg.
SO PCT Int. Appl., 126 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 2000004173	A1	20000127	WO 1999-EP4940	19990712
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	US 2001011381	A1	20010802	US 1998-118276	19980717

US 6693185	B2	20040217		
CA 2333432	AA	20000127	CA 1999-2333432	19990712
AU 9949103	A1	20000207	AU 1999-49103	19990712
AU 766672	B2	20031023		
EP 1100936	A1	20010523	EP 1999-932877	19990712

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

JP 2002520062	T2	20020709	JP 2000-560270	19990712
US 2004128704	A1	20040701	US 2003-705197	20031112

PRAI US 1998-118276 A 19980717
WO 1999-EP4940 W 19990712

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 6 OF 9 MEDLINE on STN DUPLICATE 4
AN 1998451868 MEDLINE
DN PubMed ID: 9778846
TI Higher plants possess two structurally different poly(ADP-ribose) polymerases.
AU **Babiychuk E**; Cottrill P B; Storozhenko S; Fuangthong M; Chen Y; O'Farrell M K; Van Montagu M; Inze D; **Kushnir S**
CS Departement Genetica, Vlaams Interuniversitair Instituut voor Biotechnologie (VIB), Universiteit Gent, Belgium.
SO The Plant journal : for cell and molecular biology, (1998 Sep) Vol. 15, No. 5, pp. 635-45.
Journal code: 9207397. ISSN: 0960-7412.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AJ222588; GENBANK-Z48243
EM 199811
ED Entered STN: 19990106
Last Updated on STN: 19990106
Entered Medline: 19981105

L11 ANSWER 7 OF 9 MEDLINE on STN DUPLICATE 5
AN 1999077229 MEDLINE
DN PubMed ID: 9862413
TI The involvement of poly(ADP-ribose) polymerase in the oxidative stress responses in plants.
AU Amor Y; **Babiychuk E**; Inze D; Levine A
CS Department of Plant Sciences, Institute of Life Sciences, The Hebrew University of Jerusalem, Israel.
SO FEBS letters, (1998 Nov 27) Vol. 440, No. 1-2, pp. 1-7.
Journal code: 0155157. ISSN: 0014-5793.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 199901
ED Entered STN: 19990128
Last Updated on STN: 19990128
Entered Medline: 19990111

L11 ANSWER 8 OF 9 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2006) on STN DUPLICATE 6
AN 1998:18711 AGRICOLA
DN IND20620040
TI The development of a nuclear male sterility system in wheat. Expression of the barnase gene under the control of tapetum specific promoters.
AU **Block, M. de**; Debrouwer, D.; Moens, T.
CS Plant Genetic Systems, Gent, Belgium.
SO Theoretical and applied genetics, July 1997. Vol. 95, No. 1/2. p. 125-131
Publisher: Berlin; Springer-Verlag
CODEN: THAGA6; ISSN: 0040-5752
NTE Includes references
CY West Berlin

DT Article
FS Non-U.S. Imprint other than FAO
LA English

L11 ANSWER 9 OF 9 MEDLINE on STN DUPLICATE 7
AN 95269779 MEDLINE
DN PubMed ID: 7750552
TI Characterization of an Arabidopsis thaliana cDNA homologue to animal
poly(ADP-ribose) polymerase.
AU Lepiniec L; Babiychuk E; Kushnir S; Van Montagu M;
Inze D
CS Laboratoire Associe de l'Institut National de la Recherche Agronomique
(France), Gent, Belgium.
SO FEBS letters, (1995 May 8) Vol. 364, No. 2, pp. 103-8.
Journal code: 0155157. ISSN: 0014-5793.
CY Netherlands
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-Z48243
EM 199506
ED Entered STN: 19950629
Last Updated on STN: 19950629
Entered Medline: 19950622

=> d his

(FILE 'HOME' ENTERED AT 12:10:08 ON 20 APR 2006)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
12:10:44 ON 20 APR 2006

L1 208 S (BABIYCHUK, E? OR BABIYCHUK E?)/AU
L2 389 S (KUSHNIR, S? OR KUSHNIR S?)/AU
L3 439 S (BLOCK, N? OR BLOCK N?)/AU
L4 0 S L1 AND L2 AND L3
L5 912 S L1 OR L2 OR L3
L6 20207 S PARP OR ADPRT OR (POLY(W)ADP(W)RIBOSE(W)POLYMERASE) OR (POLY(
L7 2413 S (BLOCK, M? OR BLOCK M?)/AU
L8 0 S L1 AND L2 AND L7
L9 2886 S L1 OR L2 OR L7
L10 30 S L6 AND L9
L11 9 DUPLICATE REMOVE L10 (21 DUPLICATES REMOVED)

=> s (de(w)block, m? or de(w)block m?)/au
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'DE(W)BLOCK,'
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'DE(W)BLOCK'
L12 0 (DE(W) BLOCK, M? OR DE(W) BLOCK M?)/AU

=> s (deblock, m? or deblock m? or de block, m? or de block m?)/au
L13 166 (DEBLOCK, M? OR DEBLOCK M? OR DE BLOCK, M? OR DE BLOCK M?)/AU

=> s l1 and l2 and l13
L14 2 L1 AND L2 AND L13

=> d l14 1-2 ti

L14 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
TI Modulation of programmed cell death in eukaryotic cells with poly(ADP
ribose) polymerase-encoding nucleic acids

L14 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Methods and means to modulate programmed cell death in eukaryotic cells.

=> d l14 1-2 bib

L14 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:68582 CAPLUS
 DN 132:118324
 TI Modulation of programmed cell death in eukaryotic cells with poly(ADP
 ribose) polymerase-encoding nucleic acids
 IN **Babiychuk, Elena; Kushnir, Sergei; De Block,
 Marc**
 PA Plant Genetic Systems N.V., Belg.
 SO PCT Int. Appl., 126 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000004173	A1	20000127	WO 1999-EP4940	19990712
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2001011381	A1	20010802	US 1998-118276	19980717
US 6693185	B2	20040217		
CA 2333432	AA	20000127	CA 1999-2333432	19990712
AU 9949103	A1	20000207	AU 1999-49103	19990712
AU 766672	B2	20031023		
EP 1100936	A1	20010523	EP 1999-932877	19990712
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002520062	T2	20020709	JP 2000-560270	19990712
US 2004128704	A1	20040701	US 2003-705197	20031112
PRAI US 1998-118276	A	19980717		
WO 1999-EP4940	W	19990712		

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
 AN 2004:165149 BIOSIS
 DN PREV200400168906
 TI Methods and means to modulate programmed cell death in eukaryotic cells.
 AU **Babiychuk, Elena** [Inventor, Reprint Author]; **Kushnir,
 Sergei** [Inventor]; **De Block, Marc** [Inventor]
 CS Gent, Belgium
 ASSIGNEE: Bayer Bioscience N.V., Belgium
 PI US 6693185 20040217
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Feb 17 2004) Vol. 1279, No. 3. <http://www.uspto.gov/web/menu/patdata.html>
 . e-file.
 ISSN: 0098-1133 (ISSN print).
 DT Patent
 LA English
 ED Entered STN: 24 Mar 2004
 Last Updated on STN: 24 Mar 2004

=> d his

(FILE 'HOME' ENTERED AT 12:10:08 ON 20 APR 2006)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
 12:10:44 ON 20 APR 2006

L1 208 S (BABIYCHUK, E? OR BABIYCHUK E?)/AU
 L2 389 S (KUSHNIR, S? OR KUSHNIR S?)/AU
 L3 439 S (BLOCK, N? OR BLOCK N?)/AU
 L4 0 S L1 AND L2 AND L3
 L5 912 S L1 OR L2 OR L3
 L6 20207 S PARP OR ADPRT OR (POLY(W)ADP(W)RIBOSE(W)POLYMERASE) OR (POLY(

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L7      2413 S (BLOCK, M? OR BLOCK M?)/AU
L8      0 S L1 AND L2 AND L7
L9      2886 S L1 OR L2 OR L7
L10     30 S L6 AND L9
L11     9 DUPLICATE REMOVE L10 (21 DUPLICATES REMOVED)
L12     0 S (DE(W)BLOCK, M? OR DE(W)BLOCK M?)/AU
L13     166 S (DEBLOCK, M? OR DEBLOCK M? OR DE BLOCK, M? OR DE BLOCK M?)/AU
L14     2 S L1 AND L2 AND L13

```

=> s l6 and plant

```
L15     507 L6 AND PLANT
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=> s (plant(s)transform?) or (plant(s)transgenic) or (plant(s)recombinant) or (plant(s) (genetically(w)modified))

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L16     61109 (PLANT(S) TRANSFORM?) OR (PLANT(S) TRANSGENIC) OR (PLANT(S)
          RECOMBINANT) OR (PLANT(S) (GENETICALLY(W) MODIFIED))
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=> s l6 and l16

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L17     15 L6 AND L16
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=> s l1 or l2 or l13

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L18     637 L1 OR L2 OR L13
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=> s l17 not l18

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L19     10 L17 NOT L18
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=> duplicate remove l19

DUPLICATE PREFERENCE IS 'AGRICOLA, CABA, CAPLUS, BIOSIS'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L19

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L20     7 DUPLICATE REMOVE L19 (3 DUPLICATES REMOVED)
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=> d l20 1-7 ti

```
L20     ANSWER 1 OF 7 CABA COPYRIGHT 2006 CABI on STN
```

```
TI      Applications of RNAi in crop improvement.
```

```
L20     ANSWER 2 OF 7 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
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```
TI      Poly ADP-ribose polymerase gene
          and its uses.
```

```
L20     ANSWER 3 OF 7 CABA COPYRIGHT 2006 CABI on STN
```

```
TI      Tannins elevate the level of poly(ADP-ribose) in HeLa cell extracts.
```

```
L20     ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
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```
TI      Assay for measuring a protein-modifying enzyme activity in vivo in a
          transgenic multicellular organism
```

```
L20     ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
```

```
TI      Gene encoding NADE (neurotrophin p75NTR-associated cell death executor)
          protein and uses thereof
```

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L20     ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
```

```
TI      Cloning and sequence of poly(ADP-ribose)
          polymerase gene from maize
```

```
L20     ANSWER 7 OF 7 AGRICOLA Compiled and distributed by the National
          Agricultural Library of the Department of Agriculture of the United States
          of America. It contains copyrighted materials. All rights reserved.
          (2006) on STN                                     DUPLICATE 1
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TI      An evaluation of the agronomic potential of partially acidulated rock
          phosphates in calcareous soil.
```

=> d l20 1,2,6 bib

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L20     ANSWER 1 OF 7 CABA COPYRIGHT 2006 CABI on STN
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```
AN      2006:57694 CABA
```

```
DN      20063024765
```

```
TI      Applications of RNAi in crop improvement
```


AU Metzlauff, M.
CS Bayer BioScience N.V., Technologiepark 38, B-9052 Gent, Belgium.
michael.metzlauff@bayercropscience.com
SO Pflanzenschutz-Nachrichten Bayer, (2005) Vol. 58, No. 1, pp. 51-59. 9 ref.
Publisher: Bayer CropScience AG. Monheim
Price: Journal article; Conference paper .
Meeting Info.: Proceedings of the Science Forum 2004.
ISSN: 0340-1723
URL: http://www.bayercropscience.com
CY Germany, Federal Republic of
DT Journal
LA English
SL German; French; Spanish; Russian
ED Entered STN: 5 Apr 2006
Last Updated on STN: 5 Apr 2006

L20 ANSWER 2 OF 7 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
AN 2004:249657 BIOSIS
DN PREV200400249613
TI Poly ADP-ribose polymerase gene
and its uses.
AU Mahajan, Pramod [Inventor, Reprint Author]; Zuo, Zhuang [Inventor]
CS Urbandale, IA, USA
ASSIGNEE: Pioneer Hi-Bred International, Inc.
PI US 6717033 20040406
SO Official Gazette of the United States Patent and Trademark Office Patents,
(Apr 6 2004) Vol. 1281, No. 1. http://www.uspto.gov/web/menu/patdata.html.
e-file.
ISSN: 0098-1133 (ISSN print).
DT Patent
LA English
ED Entered STN: 6 May 2004
Last Updated on STN: 6 May 2004

L20 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1999:487405 CAPLUS
DN 131:112411
TI Cloning and sequence of poly(ADP-ribose)
polymerase gene from maize
IN Mahajan, Pramod; Zuo, Zhuang
PA Pioneer Hi-Bred International, Inc., USA
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9937789	A1	19990729	WO 1999-US1591	19990126
	W: AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ, DE, DE, DK, DK, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2312591	AA	19990729	CA 1999-2312591	19990126
	CA 2312591	C	20050419		
	AU 9924705	A1	19990809	AU 1999-24705	19990126
	AU 745804	B2	20020411		
	EP 1051498	A1	20001115	EP 1999-904273	19990126
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	US 6717033	B1	20040406	US 1999-236995	19990126
	US 2004078850	A1	20040422	US 2003-650425	20030828
PRAI	US 1998-72785P	P	19980127		
	US 1999-236995	A1	19990126		
	WO 1999-US1591	W	19990126		

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 12:10:08 ON 20 APR 2006)

FILE 'MEDLINE, AGRICOLA, CABA, CAPLUS, BIOSIS, BIOTECHNO' ENTERED AT
12:10:44 ON 20 APR 2006

L1 208 S (BABIYCHUK, E? OR BABIYCHUK E?)/AU
L2 389 S (KUSHNIR, S? OR KUSHNIR S?)/AU
L3 439 S (BLOCK, N? OR BLOCK N?)/AU
L4 0 S L1 AND L2 AND L3
L5 912 S L1 OR L2 OR L3
L6 20207 S PARP OR ADPRT OR (POLY(W)ADP(W)RIBOSE(W)POLYMERASE) OR (POLY(
L7 2413 S (BLOCK, M? OR BLOCK M?)/AU
L8 0 S L1 AND L2 AND L7
L9 2886 S L1 OR L2 OR L7
L10 30 S L6 AND L9
L11 9 DUPLICATE REMOVE L10 (21 DUPLICATES REMOVED)
L12 0 S (DE(W)BLOCK, M? OR DE(W)BLOCK M?)/AU
L13 166 S (DEBLOCK, M? OR DEBLOCK M? OR DE BLOCK, M? OR DE BLOCK M?)/AU
L14 2 S L1 AND L2 AND L13
L15 507 S L6 AND PLANT
L16 61109 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO
L17 15 S L6 AND L16
L18 637 S L1 OR L2 OR L13
L19 10 S L17 NOT L18
L20 7 DUPLICATE REMOVE L19 (3 DUPLICATES REMOVED)

=> s l15 and antisense

L21 8 L15 AND ANTISENSE

=> s l15 and rnai

L22 4 L15 AND RNAI

=> s l22 not l18

L23 4 L22 NOT L18

=> s l21 not l18

L24 5 L21 NOT L18

=> duplicate remove l23

DUPLICATE PREFERENCE IS 'CABA, CAPLUS, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L23

L25 3 DUPLICATE REMOVE L23 (1 DUPLICATE REMOVED)

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DUPLICATE PREFERENCE IS 'CABA, CAPLUS, BIOSIS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L24

L26 5 DUPLICATE REMOVE L24 (0 DUPLICATES REMOVED)

=> d l25 1-3 ti

L25 ANSWER 1 OF 3 CABA COPYRIGHT 2006 CABI on STN DUPLICATE 1
TI Applications of **RNAi** in crop improvement.

L25 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
TI cDNA and protein sequences for *Drosophila melanogaster* **poly-(
ADP) ribose polymerase** isoform **PARP**
-e and uses thereof

L25 ANSWER 3 OF 3 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Adhesion of 8226 myeloma cell lines induces over expression of HSP70 and
its inhibition reverses CAM-DR and acquired drug resistance in multiple
myeloma.

=> d l26 1-5 ti

- L26 ANSWER 1 OF 5 CABA COPYRIGHT 2006 CABI on STN
TI First report of Phytophthora insolita and P. inflata on rhododendron in Ohio.
- L26 ANSWER 2 OF 5 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI Poly ADP-ribose polymerase gene and its uses.
- L26 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Gene encoding NADE (neurotrophin p75NTR-associated cell death executor) protein and uses thereof
- L26 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Cloning and sequence of poly(ADP-ribose) polymerase gene from maize
- L26 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Isolation, molecular cloning, characterization, sequence and therapeutical use of mammalian SRTA-70 (S-region transfer activity) protein

=> d his

(FILE 'HOME' ENTERED AT 12:10:08 ON 20 APR 2006)

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L7 2413 S (BLOCK, M? OR BLOCK M?)/AU
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L9 2886 S L1 OR L2 OR L7
L10 30 S L6 AND L9
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L22 4 S L15 AND RNAI
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L25 3 DUPLICATE REMOVE L23 (1 DUPLICATE REMOVED)
L26 5 DUPLICATE REMOVE L24 (0 DUPLICATES REMOVED)

=> file uspatfull

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	105.49	105.70

FILE 'USPATFULL' ENTERED AT 12:24:20 ON 20 APR 2006

CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 20 Apr 2006 (20060420/PD)

FILE LAST UPDATED: 20 Apr 2006 (20060420/ED)

HIGHEST GRANTED PATENT NUMBER: US7032245

HIGHEST APPLICATION PUBLICATION NUMBER: US2006085880

CA INDEXING IS CURRENT THROUGH 20 Apr 2006 (20060420/UPCA)

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L27

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2 KUSHNIR S?/AU
79 BLOCK, M?/AU
79 BLOCK M?/AU
2 L1 AND L2 AND L7
L28

=> d 128 bib

L28 ANSWER 1 OF 2 USPATFULL on STN
AN 2004:167212 USPATFULL
TI Methods and means to modulate programmed cell death in eukaryotic cells
IN **Babiychuk, Elena**, Gent, BELGIUM
Kushnir, Sergei, Gent, BELGIUM
Block, Marc De, Merelbeke, BELGIUM
PA BAYER BIOSCIENCE, Gent, BELGIUM (non-U.S. corporation)
PI US 2004128704 A1 20040701
AI US 2003-705197 A1 20031112 (10)
RLI Continuation of Ser. No. US 1998-118276, filed on 17 Jul 1998, GRANTED,
Pat. No. US 6693185
DT Utility
FS APPLICATION
LREP HUNTON & WILLIAMS LLP, INTELLECTUAL PROPERTY DEPARTMENT, 1900 K STREET,
N.W., SUITE 1200, WASHINGTON, DC, 20006-1109
CLMN Number of Claims: 35
ECL Exemplary Claim: 1
DRWN 4 Drawing Page(s)
LN.CNT 3544
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 128 2 bib

L28 ANSWER 2 OF 2 USPATFULL on STN
AN 2001:123872 USPATFULL
TI METHODS AND MEANS TO MODULATE PROGRAMMED CELL DEATH IN EUKARYOTIC CELLS
IN **BABIYCHUK, ELENA**, GENT, Belgium
KUSHNIR, SERGEI, GENT, Belgium
BLOCK, MARC DE, MERELBEKE, Belgium
PI US 2001011381 A1 20010802
US 6693185 B2 20040217
AI US 1998-118276 A1 19980717 (9)
DT Utility
FS APPLICATION
LREP NIXON PEABODY, LLP, 8180 GREENSBORO DRIVE, SUITE 800, MCLEAN, VA, 22102
CLMN Number of Claims: 35
ECL Exemplary Claim: 1
DRWN 4 Drawing Page(s)
LN.CNT 3562
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 12:10:08 ON 20 APR 2006)

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L9 2886 S L1 OR L2 OR L7
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L16 61109 S (PLANT(S)TRANSFORM?) OR (PLANT(S)TRANSGENIC) OR (PLANT(S)RECO
L17 15 S L6 AND L16
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L22 4 S L15 AND RNAI
L23 4 S L22 NOT L18
L24 5 S L21 NOT L18
L25 3 DUPLICATE REMOVE L23 (1 DUPLICATE REMOVED)
L26 5 DUPLICATE REMOVE L24 (0 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 12:24:20 ON 20 APR 2006

L27 0 S L14
L28 2 S L8

=> s 16

1090 PARP
137 ADPRT
258519 POLY
14205 ADP
15741 RIBOSE
77653 POLYMERASE
962 POLY(W) ADP(W) RIBOSE(W) POLYMERASE
258519 POLY
14205 ADP
15741 RIBOSE
39021 TRANSFERASE
21 POLY(W) ADP(W) RIBOSE(W) TRANSFERASE
L29 1444 PARP OR ADPRT OR (POLY(W) ADP(W) RIBOSE(W) POLYMERASE) OR (POLY(
W) ADP(W) RIBOSE(W) TRANSFERASE)

=> s 129 not 128

L30 1442 L29 NOT L28

=> s 130 and antisense

48323 ANTISENSE
L31 618 L30 AND ANTISENSE

=> s 130 and rnai

2999 RNAI
L32 100 L30 AND RNAI

=> s 116

245984 PLANT
498463 TRANSFORM?
21869 PLANT(S) TRANSFORM?
245984 PLANT
39291 TRANSGENIC

10113 PLANT(S) TRANSGENIC
245984 PLANT
103865 RECOMBINANT
15702 PLANT(S) RECOMBINANT
245984 PLANT
51299 GENETICALLY
1003462 MODIFIED

1692 PLANT(S) (GENETICALLY(W) MODIFIED)
L33 28120 (PLANT(S) TRANSFORM?) OR (PLANT(S) TRANSGENIC) OR (PLANT(S)
RECOMBINANT) OR (PLANT(S) (GENETICALLY(W) MODIFIED))

=> s l30 and l33

L34 228 L30 AND L33

=> s l34 and (antisense or rnai)

48323 ANTISENSE

2999 RNAI

L35 187 L34 AND (ANTISENSE OR RNAI)

=> s l34 and rnai

2999 RNAI

L36 26 L34 AND RNAI

=> d his

(FILE 'HOME' ENTERED AT 12:10:08 ON 20 APR 2006)

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L26 5 DUPLICATE REMOVE L24 (0 DUPLICATES REMOVED)

FILE 'USPATFULL' ENTERED AT 12:24:20 ON 20 APR 2006

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L28 2 S L8
L29 1444 S L6
L30 1442 S L29 NOT L28
L31 618 S L30 AND ANTISENSE
L32 100 S L30 AND RNAI
L33 28120 S L16
L34 228 S L30 AND L33
L35 187 S L34 AND (ANTISENSE OR RNAI)
L36 26 S L34 AND RNAI

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LOGOFF? (Y)/N/HOLD:y
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
10.58	116.28

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